EMAIL FROM CHUCK KELLER – CHIEF TRAFFIC ENGINEER – TRAFFIC IMPROVEMENT ASSOCIATION

From: Keller, Chuck (TIA)
Sent: Thursday, September 30, 2021 9:35 AM
To: Scott McKee <policechief@lathrupvillage.org>
Cc: 'Yesh, Monica (TIA)' <myesh@tiasafety.us>; Santilli, James (TIA) <jsantilli@tiasafety.us>
Subject: RE: Speed bumps

Good morning Chief McKee:

I received your request for information on Speed Humps. The first place I suggest you look is at Federal Highway Administration (FHWA) website: https://safety.fhwa.dot.gov/speedmgt/traffic_calm.cfm. The info on Speed Humps, Speed Tables, etc. is under the section "Toolbox of Individual Traffic Calming Measures".

Traffic Calming ePrimer is a free, online resource openly available for public use. The ePrimer presents a thorough review of current traffic calming practice and contains the information needed to understand this complex field. The ePrimer is presented in eight distinct modules developed to allow the reader to move between each to find the desired information, without a cover-to-cover reading. The ePrimer presents:

- a definition of traffic calming, its purpose, and its relationship to other transportation initiatives (like complete streets and context sensitive solutions);
- illustrations and photographs of 22 different types of traffic calming measures;
- considerations for their appropriate application, including effects and design and installation specifics;
- research on the effects of traffic calming measures on mobility and safety for passenger vehicles; emergency response, public transit, and waste collection vehicles; and pedestrians and bicyclists;
- examples and case studies of both comprehensive traffic calming programs and neighborhood-specific traffic calming plans;
- case studies that cover effective processes used to plan and define a local traffic calming program or project and assessments of the effects of individual and series of traffic calming measures.

In regard to the normal material used to construct speed humps, speed tables, etc. it is asphalt for the permanent one and then some preformed material for the temporary ones.

Attached is a copy of temporary speed bump and hump devices from Tapco, Inc.

Hopefully the above FHWA website helps.

Attached is a TIA Fact Sheet on Speed Bumps which is old and needs updating which will be done soon, however the information contained in this older document is still good. The newer version of the document will contain information on "Speed Humps" which some communities use. The speed hump is different than the speed bump because it's a less intrusive device which still allows most vehicles to travel over them at the posted speed of 25 MPH without experiencing too much discomfort.

Attached is a copy of the City of Rochester Hills Traffic Safety Program which is an example of a program for residential streets.

Below is a link to the City of Ann Arbor's program if you want to look into it which is another good example.

https://www.a2gov.org/departments/engineering/traffic/traffic-calming/Pages/default.aspx

The City of Farmington Hills also has a speed hump program, but I was unable to locate it on their website. You could contact their engineering department for a copy. This is a link I just received for the Farmington Hills Process. Farmington Hills, MI - Traffic Safe-te3 Program (fhgov.com)

RCOC has a Standard Operating Proceedure for speed humps which you could obtain from their Traffic-Safety Department.

Hope this information helps.

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